

ABSTRACT OF THE DISCLOSURE

A remote power feed device for supplying a remote power feed to a terminal in a telecommunication network includes a first resistor and a second resistor in parallel with the first resistor and having a lower resistance than the first resistor. It compares the voltage at the terminal of the first resistor with a first threshold voltage and the voltage at the terminals of the second resistor with a second threshold voltage. It further includes a switching device for either connecting the first resistor in series in the remote power feed circuit if the switching device detects that the remote power feed current is less than a third threshold current that is between the first and second threshold currents or connecting the second resistor and the first resistor connected in parallel in series in the remote power feed circuit if the switching device detects that the remote power feed current is greater than the third threshold current. Applications include repeaters and concentrators for local area networks.